

< Ardres

RAW SEQUENCE LISTING

DATE: 10/29/2001 TIME: 11:02:21 PATENT APPLICATION: US/09/461,436

Input Set : N:\Crf3\RULE60\09461436.txt Output Set: N:\CRF3\10292001\I461436.raw

SEQUENCE LISTING

```
(1) GENERAL INFORMATION:
             (i) APPLICANT: Hinuma, Shuji
      6
                             Hosoya, Masaki
      7
                                                          ENTERED
      8
                             Fujii, Ryo
                             Ohtaki, Tetsuya
      9
                             Fukusumi, Shoji
     10
                             Ohgi, Kazuhiro
     11
            (ii) TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
     13
     14
                                      PRODUCTION, AND USE THEREOF
     16
           (iii) NUMBER OF SEQUENCES: 380
     18
            (iv) CORRESPONDENCE ADDRESS:
     19
                   (A) ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
     20
                  (B) STREET: 130 Water Street
     21
                  (C) CITY: Boston
     22
                   (D) STATE: MA
     23
                   (E) COUNTRY: USA
                  (F) ZIP: 02109
     24
     26
             (V) COMPUTER READABLE FORM:
                   (A) MEDIUM TYPE: Floppy disk
     27
                   (B) COMPUTER: IBM PC compatible
     28
                   (C) OPERATING SYSTEM: PC-DOS/MS-DOS
     29
     30
                   (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
            (vi) CURRENT APPLICATION DATA:
     32
C-->33
                  (A) APPLICATION NUMBER: US/09/461,436
                  (B) FILING DATE: 14-Dec-1999
C-->34
                   (C) CLASSIFICATION:
     35
     77
           (vii) PRIOR APPLICATION DATA:
                  (A) APPLICATION NUMBER: 08/513,974
     38
     39
                  (B) FILING DATE:
     42
                  (A) APPLICATION NUMBER: JP 7-093989
                  (B) FILING DATE: 19-AUG-1995
     43
     46
                  (A) APPLICATION NUMBER: JP 7-057186
     47
                  (B) FILING DATE: 16-MAR-1995
                  (A) APPLICATION NUMBER: JP 7-007177
     50
     51
                  (B) FILING DATE: 20-JAN-1995
                  (A) APPLICATION NUMBER: JP 6-326611
     54
     55
                  (B) FILING DATE: 28-DEC-1994
     58
                  (A) APPLICATION NUMBER: JP 6-270017
     59
                  (B) FILING DATE: 02-NOV-1994
     62
                  (A) APPLICATION NUMBER: JP 6-236357
                  (B) FILING DATE: 30-SEP-1994
     63
     66
                  (A) APPLICATION NUMBER: JP 6-236356
                  (B) FILING DATE: 30-SEP-1994
     67
     70
                  (A) APPLICATION NUMBER: JP 6-189274
                  (B) FILING DATE: 11-AUG-1994
     71
     74
                  (A) APPLICATION NUMBER: JP 6-189273
```

RAW SEQUENCE LISTING DATE: 10/29/2001 PATENT APPLICATION: US/09/461,436 TIME: 11:02:21

Input Set : N:\Crf3\RULE60\09461436.txt
Output Set: N:\CRF3\10292001\I461436.raw

```
75
              (B) FILING DATE: 11-AUG-1945
78
              (A) APPLICATION NUMBER: JP 6-189272
79
              (B) FILING DATE: 11-AUG-1994
81
     (viii) ATTORNEY/AGENT INFORMATION:
82
              (A) NAME: Resnick, David S.
83
              (B) REGISTRATION NUMBER: 34,235
              (C) REFERENCE/DOCKET NUMBER: 45753
84
       (ix) TELECOMMUNICATION INFORMATION:
86 -
87
              (A) TELEPHONE: 617-523-3400
              (B) TELEFAX: 617-523-6440
88
91 (2) INFORMATION FOR SEQ ID NO: 1:
93
        (i) SEQUENCE CHARACTERISTICS:
94
              (A) LENGTH: 25 base pairs
              (B) TYPE: nucleic acid
95
96
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear
97
       (ii) MOLECULE TYPE: other nucleic acid
.99
               (A) DESCRIPTION: /desc = "synthetic DNA"
100
105
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                              25
107 CGTGGSCMTS STGGGCAACN YCCTG
109 (2) INFORMATION FOR SEQ ID NO: 2:
111
         (i) SEQUENCE CHARACTERISTICS:
112
               (A) LENGTH: 27 base pairs
               (B) TYPE: nucleic acid
113
114
               (C) STRANDEDNESS: single
115
               (D) TOPOLOGY: linear
        (ii) MOLECULE TYPE: other nucleic acid
117
118
               (A) DESCRIPTION: /desc = "synthetic DNA"
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
123
                                                                              27
125 GTNGWRRGGC ANCCAGCAGA KGGCAAA
127 (2) INFORMATION FOR SEQ ID NO: 3:
129
         (i) SEQUENCE CHARACTERISTICS:
130
              (A) LENGTH: 27 base pairs
131
              (B) TYPE: nucleic acid
132
              (C) STRANDEDNESS: single
133
              (D) TOPOLOGY: linear
135
        (ii) MOLECULE TYPE: other nucleic acid
136
              (A) DESCRIPTION: /desc = "synthetic DNA
138
        (ix) FEATURE:
              (D) OTHER INFORMATION: N = inosine
139
142
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
144 CTCGCSGCYM TNRGYATGGA YCGNTAT
                                                                              27
146 (2) INFORMATION FOR SEQ ID NO: 4:
148
         (i) SEQUENCE CHARACTERISTICS:
149
              (A) LENGTH: 30 base pairs
150
              (B) TYPE: nucleic acid
151
              (C) STRANDEDNESS: single
152
              (D) TOPOLOGY: linear
154
        (ii) MOLECULE TYPE: other nucleic acid
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/461,436

DATE: 10/29/2001
TIME: 11:02:21

Input Set : N:\Crf3\RULE60\09461436.txt
Output Set: N:\CRF3\10292001\I461436.raw

157	155		
161 (XI) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 163 CATGTROWAG GGANCCAGS AMANRARRAA 30 165 (2) INFORMATION FOR SEQ ID NO: 5: 167 (1) SEQUENCE CHARACTERISTICS: 168 (A) LENGTH: 27 base pairs 169 (B) TYPE: nucleic acid 170 (C) STRANDEDNESS: single 171 (D) TOPOLOGY: linear 173 (ii) MOLECULE TYPE: other nucleic acid 174 (A) DESCRIPTION: /desc = "synthetic DNA 177 (ix) FEATURE: 178 (D) OTHER INFORMATION: N = inosine 180 (X1) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 182 CTGACYGYTC THRSNRYTGA CMGYTAC 184 (2) INFORMATION FOR SEQ ID NO: 6: 186 (i) SEQUENCE CHARACTERISTICS: 187 (A) LENGTH: 27 base pairs 188 (B) TYPE: nucleic acid 189 (C) STRANDEDNESS: single 190 (D) TOPOLOGY: linear 191 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (X1) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACGYGTC THRSNRYTGA CMGYTAC 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (1) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: SEQ ID NO: 7: 225 (1) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 238 (C) STRANDEDNESS: single 249 (D) TOPOLOGY: linear 250 (II) SEQUENCE DESCRIPTION: N = inosine 251 (II) SEQUENCE DESCRIPTION: N = inosine 252 (A) DESCRIPTION: /desc = "synthetic DNA 253 (2) INFORMATION FOR SEQ ID NO: 7: 264 (3) DESCRIPTION: SEQ ID NO: 7: 275 (2) STRANDEDNESS: single 276 (C) STRANDEDNESS: single 277 (C) STRANDEDNESS: single 288 (C) STRANDEDNESS: single 299 (D) TOPOLOGY: linear 210 (II) SEQUENCE CHARACTERISTICS: 211 (II) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 212 (II) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCCCCSCCYM THRCYATCGA YCGNTAC 277 (C) STRANDEDNESS: single 278 (D) TOPOLOGY: linear 279 (D) STRANDEDNESS: single 280 (D) TOPOLOGY: linear 291 (II) MOLECULE TYPE: other nucleic acid			•
163 CATCTROWAG GGAANCCAGS AMANRARRAA 165 (2) INFORMATION FOR SEQ ID NO: 5: 167 (1) SEQUENCE CHARACTERISTICS: 168 (A) LENGTH: 27 base pairs 169 (B) TYPE: nucleic acid 170 (C) STRANDEDNESS: single 171 (D) TOPOLOGY: linear 173 (ii) MOLECULE TYPE: other nucleic acid 174 (A) DESCRIPTION: /desc = "synthetic DNA 177 (ix) FEATURE: 178 (D) OTHER INFORMATION: N = inosine 180 (X1) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 182 CTGACTGYOT THRORMSTYGA CMGVTAC 184 (2) INFORMATION FOR SEQ ID NO: 6: 186 (i) SEQUENCE CHARACTERISTICS: 187 (A) LENGTH: 27 base pairs 188 (B) TYPE: nucleic acid 189 (C) STRANDEDNESS: single 190 (D) TOPOLOGY: linear 192 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (X1) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACTGYTC TNRSNRYTGA CMGVTAT 27 280 (2) INFORMATION FOR SEQ ID NO: 7: 290 (I) SEQUENCE CHARACTERISTICS: 201 (I) SEQUENCE CHARACTERISTICS: 202 (I) SEQUENCE CHARACTERISTICS: 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (I) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (II) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 216 (X1) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 227 (CTCGCSGCYM THRGYATGGA YCGNTAC 228 (C) STRANDEDNESS: single 230 (I) STROMEDNESS: single 241 (I) SEQUENCE CHARACTERISTICS: 252 (A) LENGTH: 30 base pairs 243 (I) SEQUENCE CHARACTERISTICS: 254 (B) TYPE: nucleic acid 255 (B) TYPE: nucleic acid 266 (B) TYPE: nucleic acid 276 (C) STRANDEDNESS: single 287 (C) STRANDEDNESS: single 288 (D) TOPOLOGY: linear 299 (D) TOPOLOGY: linear 210 (D) TOPOLOGY: linear 211 (II) MOLECULE TYPE: other nucleic acid 212 (C) STRANDEDNESS: single 213 (II) MOLECULE TYPE: other nucleic acid			
165 (2) INFORMATION FOR SEQ ID NO: 5: 167 (1) SEQUENCE CHARACTERISTICS: 168 (A) LEMOTH: 27 base pairs 169 (B) TYPE: nucleic acid 170 (C) STRANDEDNESS: single 171 (D) TOPOLOGY: linear 173 (ii' MOLECULE TYPE: other nucleic acid 174 (A) DESCRIPTION: /desc = "synthetic DNA 177 (ix) FEATURE: 178 (D) OTHER INFORMATION: N = inosine 180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 182 CTGACYGYTC TNRSNRYTGA CMGYTAC 184 (2) INFORMATION FOR SEQ ID NO: 6: 186 (1) SEQUENCE CHARACTERISTICS: 187 (A) LENGTH: 27 base pairs 188 (B) TYPE: nucleic acid 189 (C) STRANDEDNESS: single 190 (D) TOPOLOGY: linear 191 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 194 (xi) FEATURE: 195 (D) OTHER INFORMATION: N = inosine 196 (xi) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 270 (C) STRANDEDNESS: single 271 CYGACCYGYTC TNRSNRYTGA CMGYTAT 272 (1) CYGACCYGYTC TNRSNRYTGA CMGYTAT 273 (2) INFORMATION FOR SEQ ID NO: 7: 274 (B) TYPE: nucleic acid 275 (C) STRANDEDNESS: single 276 (B) TYPE: nucleic acid 277 (B) TYPE: nucleic acid 278 (C) STRANDEDNESS: single 279 (D) TOPOLOGY: linear 280 (C) STRANDEDNESS: single 291 (D) TOPOLOGY: linear 292 (2) INFORMATION FOR SEQ ID NO: 7: 293 (2) INFORMATION FOR SEQ ID NO: 8: 294 (i) SEQUENCE CHARACTERISTICS: 295 (A) LENGTH: 30 base pairs 296 (C) STRANDEDNESS: single 297 (C) STRANDEDNESS: single 298 (D) TOPOLOGY: linear 299 (C) STRANDEDNESS: single 290 (C) STRANDEDNESS: single 291 (C) STRANDEDNESS: single 292 (C) STRANDEDNESS: single 293 (D) TOPOLOGY: linear 294 (I) SEQUENCE CHARACTERISTICS: 295 (A) LENGTH: 30 base pairs 296 (B) TYPE: nucleic acid 297 (C) STRANDEDNESS: single 298 (D) TOPOLOGY: linear 299 (D) TOPOLOGY: linear 290 (D) TOPOLOGY: linear 291 (D) TOPOLOGY: linear 292 (D) TOPOLOGY: linear 293 (D) TOPOLOGY: linear 294 (D) TOPOLOGY: linear 295 (D) TOPOLOGY: linear 296 (D) TOPOLOGY: linear 297 (D) MOLECULE TYPE: other nucleic acid			
167 (i) SEQUENCE CHARACTERISTICS: 168 (A) LENGTH: 27 base pairs 169 (B) TYPE: nucleic acid 170 (C) STRANDEDNESS: single 171 (D) TOPOLOGY: linear 173 (ii) MOLECULE TYPE: other nucleic acid 174 (A) DESCRIPTION: /desc = "synthetic DNA 177 (ix) FEATURE: 178 (D) OTHER INFORMATION: N = inosine 180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 182 CTGACCYGITC TNRSNRYTGA CMGYTAC 184 (2) INFORMATION FOR SEQ ID NO: 6: 186 (i) SEQUENCE CHARACTERISTICS: 187 (A) LENGTH: 27 base pairs 188 (B) TYPE: nucleic acid 189 (C) STRANDEDNESS: single 190 (D) TOPOLOGY: linear 191 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (ix) FFATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC TNRSNRYTGA CMCVTAT 203 (2) INFORMATION FOR SEQ ID NO: 7: 215 (i) SEQUENCE CHARACTERISTICS: 226 (A) LENGTH: 27 base pairs 227 (B) TYPE: nucleic acid 228 (C) STRANDEDNESS: single 239 (D) TOPOLOGY: linear 111 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 124 (ix) FFATURE: 125 (D) OTHER INFORMATION: N = inosine 126 (xi) SEQUENCE CHARACTERISTICS: 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (C) STRANDEDNESS: single 241 (ix) FFATURE: 252 (A) LENGTH: 30 base pairs 253 (B) TYPE: nucleic acid 254 (C) STRANDEDNESS: single 255 (B) TYPE: nucleic acid 266 (B) TYPE: nucleic acid 277 (C) STRANDEDNESS: single 288 (D) TOPOLOGY: linear 298 (D) TOPOLOGY: linear 299 (C) STRANDEDNESS: single 290 (D) TOPOLOGY: linear 290 (C) STRANDEDNESS: single 291 (C) STRANDEDNESS: single 292 (D) TOPOLOGY: linear 293 (D) TOPOLOGY: linear 294 (C) STRANDEDNESS: single 295 (D) TOPOLOGY: linear 296 (D) TOPOLOGY: linear 297 (C) STRANDEDNESS: single 298 (D) TOPOLOGY: linear 299 (D) TOPOLOGY: linear 290 (D) TOPOLOGY: linear 290 (D) TOPOLOGY: linear 291 (D) TOPOLOGY: linear 291 (D) TOPOLOGY: linear 292 (D) TOPOLOGY: linear 293 (D) TOPOLOGY: linear 294 (D) TOPOLOGY: linear 295 (D) TOPOLOGY: linear 296 (D) TOPOLOGY: linear 297 (D) TOPOLOGY: linear 299 (D) TOPOLOGY: l			. 30
168 (A) LENGTH: 27 base pairs 169 (B) TYPE: nucleic acid 170 (C) STRANDEDNESS: single 171 (D) TOPOLOGY: linear 173 (ii) MOLECULE TYPE: other nucleic acid 174 (A) DESCRIPTION: /desc = "synthetic DNA 177 (ix) FEATURE: 178 (D) OTHER INFORMATION: N = inosine 180 (Xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 182 CTGACCYGYTC THRSNRYTGA CMGYTAC 27 184 (2) INFORMATION FOR SEQ ID NO: 6: 186 (i) SEQUENCE CHARACTERISTICS: 187 (A) LENGTH: 27 base pairs 188 (B) TYPE: nucleic acid 189 (C) STRANDEDNESS: single 190 (D) TOPOLOGY: linear 192 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (Xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACCYGYTC THRSNRYTGA CMGYTAT 27 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FFATURE: 215 (D) OTHER INFORMATION: N = inosine 216 (Xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM THRGYATGGA YCCHTAC 221 (2) INFORMATION FOR SEQ ID NO: 8: 222 (2) INFORMATION FOR SEQ ID NO: 8: 223 (A) LENGTH: 30 base pairs 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (II) MOLECULE TYPE: other nucleic acid		•	•
169 (B) TYPE: nucleic acid 170 (C) STRANDEONESS: single 171 (D) TOPOLOGY: linear 173 (ii) MOLECULE TYPE: other nucleic acid 174 (A) DESCRIPTION: /desc = "synthetic DNA 177 (IX) FEATURE: 178 (D) OTHER INFORMATION: N = inosine 180 (Xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 182 CTGACYGYTC TNRENRYTGA CMGVTAC 27 184 (2) INFORMATION FOR SED ID NO: 6: 186 (i) SEQUENCE CHARACTERISTICS: 187 (A) LENGTH: 27 base pairs 188 (B) TYPE: nucleic acid 189 (C) STRANDEDNESS: single 190 (D) TOPOLOGY: linear 192 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (IX) FEATURE: 197 (D) CTHER INFORMATION: N = inosine 199 (Xi) SEQUENCE CHARACTERISTICS: 201 CTGACYGYTC TNRSNRYTGA CMGYTAT 202 (2) INFORMATION FOR SEQ ID NO: 7: 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (IX) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 216 (Xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRSYATGGA YCGNTAC 221 (2) INFORMATION FOR SEQ ID NO: 8: 222 (2) INFORMATION FOR SEQ ID NO: 8: 223 (i) SEQUENCE CHARACTERISTICS: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEONESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid			
170			
171 (D) TOPOLOGY: linear 173 (ii) MOLECULE TYPE: other nucleic acid 174 (A) DESCRIPTION: /desc = "synthetic DNA 177 (ix) FEATURE: 178 (D) OTHER INFORMATION: N = inosine 180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 182 CTGACYGYTC THRSNRYTGA CMGYTAC 184 (2) INFORMATION FOR SEQ ID NO: 6: 186 (i) SEQUENCE CHARACTERISTICS: 187 (A) LENGTH: 27 base pairs 188 (B) TYPE: nucleic acid 189 (C) STRANDEDNESS: single 190 (D) TOPOLOGY: linear 191 (A) DESCRIPTION: /desc = "synthetic DNA 192 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 194 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC THRSNRYTGA CMGYTAT 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 216 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM THRGYATGGA YCGNTAC 221 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid			
173		· ·	
174 (A) DESCRIPTION: /desc = "synthetic DNA 177 (ix) FEATURE:			
177		·	
178	_		
180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: 182 CTGACYGYTC TNRSNRYTGA CMGVYAC 27 184 (2) INFORMATION FOR SEQ ID NO: 6: 186 (i) SEQUENCE CHARACTERISTICS: 187 (A) LENGTH: 27 base pairs 188 (B) TYPE: nucleic acid 189 (C) STRANDEDNESS: single 190 (D) TOPOLOGY: linear 192 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC TNRSNRYTGA CMGVYAT 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 216 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 227 CTCGCSGCYM TNRGYATGGA YCGNTAC 228 (i) SEQUENCE CHARACTERISTICS: 240 (i) SEQUENCE CHARACTERISTICS: 251 (A) LENGTH: 30 base pairs 262 (B) TYPE: nucleic acid 263 (C) STRANDEDNESS: single 274 (C) STRANDEDNESS: single 275 (A) LENGTH: 30 base pairs 276 (C) STRANDEDNESS: single 277 (C) STRANDEDNESS: single 280 (D) TOPOLOGY: linear 291 (II) MOLECULE TYPE: other nucleic acid 292 (C) STRANDESS: single 293 (D) TOPOLOGY: linear 204 (II) MOLECULE TYPE: other nucleic acid			
182 CTGACYGYTC TNRSNRYTGA CMGVTAC 184 (2) INFORMATION FOR SEQ ID NO: 6: 186 (i) SEQUENCE CHARACTERISTICS: 187 (A) LENGTH: 27 base pairs 188 (B) TYPE: nucleic acid 189 (C) STRANDEDNESS: single 190 (D) TOPOLOGY: linear 192 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC TNRSNRYTGA CMGVTAT 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCCSGCYM TNRGYATGGA YCGNTAC 221 (2) INFORMATION FOR SEQ ID NO: 8: 222 (2) INFORMATION FOR SEQ ID NO: 8: 223 (B) TYPE: nucleic acid 224 (I) SEQUENCE CHARACTERISTICS: 236 (B) TYPE: nucleic acid 237 (C) STRANDEDNESS: single 248 (D) TOPOLOGY: linear 259 (D) TOPOLOGY: linear 260 (B) TYPE: nucleic acid 270 (C) STRANDEDNESS: single 281 (D) TOPOLOGY: linear 292 (D) TOPOLOGY: linear 203 (C) STRANDEDNESS: single 204 (D) TOPOLOGY: linear 205 (D) TOPOLOGY: linear 207 (C) STRANDEDNESS: single 208 (D) TOPOLOGY: linear 209 (D) TOPOLOGY: linear 210 (D) TOPOLOGY: linear 211 (D) TOPOLOGY: linear 212 (D) TOPOLOGY: linear 213 (D) TOPOLOGY: linear 214 (D) TOPOLOGY: linear 215 (D) TOPOLOGY: linear 216 (D) TOPOLOGY: linear 217 (D) TOPOLOGY: linear 218 (D) TOPOLOGY: linear 219 (D) TOPOLOGY: linear 220 (D) TOPOLOGY: linear 230 (LENGTH: 30 base pairs 240 (D) TOPOLOGY: linear 251 (D) TOPOLOGY: linear 252 (D) TOPOLOGY: linear 253 (D) TOPOLOGY: linear 264 (D) TOPOLOGY: linear 275 (D) TOPOLOGY: linear 276 (D) TOPOLOGY: linear 277 (D) TOPOLOGY: linear 278 (D) TOPOLOGY: linear 279 (D) TOPOLOGY: linear 270 (D) TOPOLOGY: linear 270 (D) TOPOLOGY: linear 270 (D) TOPOLOGY: linea	178	(D) OTHER INFORMATION: N = inosine	
184 (2) INFORMATION FOR SEQ ID NO: 6: 186	180	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
186 (i) SEQUENCE CHARACTERISTICS: 187 (A) LENGTH: 27 base pairs 188 (B) TYPE: nucleic acid 189 (C) STRANDEDNESS: single 190 (D) TOPOLOGY: linear 192 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC THRSHRYTGA CMGVTAT 27 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM THRCYATGGA YCCHTAC 221 (2) INFORMATION FOR SEQ ID NO: 8: 222 (2) INFORMATION FOR SEQ ID NO: 8: 223 (i) SEQUENCE CHARACTERISTICS: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	182	2 CTGACYGYTC TNRSNRYTGA CMGVTAC	. 27
187	184	(2) INFORMATION FOR SEQ ID NO: 6:	
188 (B) TYPE: nucleic acid 189 (C) STRANDEDNESS: single 190 (D) TOPOLOGY: linear 192 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC THRSNRYTGA CMCVTAT 27 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 27 221 (2) INFORMATION FOR SEQ ID NO: 8: 222 (2) INFORMATION FOR SEQ ID NO: 8: 223 (A) LENGTH: 30 base pairs 224 (I) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	186		
189 (C) STRANDEDNESS: single 190 (D) TOPOLOGY: linear 192 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC THRSNRYTGA CMGVTAT 27 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM THRGYATGGA YCGNTAC 221 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	187	(A) LENGTH: 27 base pairs	
190 (D) TOPOLOGY: linear 192 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC TNRSNRYTGA CMGVTAT 27 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 27 221 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	188	(B) TYPE: nucleic acid	
192 (ii) MOLECULE TYPE: other nucleic acid 193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC TNRSNRYTGA CMGVTAT 27 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 27 221 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	189	(C) STRANDEDNESS: single	
193 (A) DESCRIPTION: /desc = "synthetic DNA 196 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC TNRSNRYTGA CMGVTAT 27 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCGGCYM TNRGYATGGA YCGNTAC 27 221 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	190	(D) TOPOLOGY: linear	
196 (ix) FEATURE: 197 (D) OTHER INFORMATION: N = inosine 199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC TNRSNRYTGA CMCVTAT 27 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 27 221 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	192	(ii) MOLECULE TYPE: other nucleic acid	
197 (D) OTHER INFORMATION: N = inosine 199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC TNRSNRYTGA CMGVTAT 27 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 27 221 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	193	(A) DESCRIPTION: /desc = "synthetic DNA	
199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6: 201 CTGACYGYTC TNRSNRYTGA CMGVTAT 27 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 27 221 (2) INFORMATION FOR SEQ ID NO: 8: 222 (2) INFORMATION FOR SEQ ID NO: 8: 223 (i) SEQUENCE CHARACTERISTICS: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	196	(ix) FEATURE:	
201 CTGACYGYTC TNRSNRYTGA CMGVTAT 203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 221 (2) INFORMATION FOR SEQ ID NO: 8: 222 (2) INFORMATION FOR SEQ ID NO: 8: 223 (A) LENGTH: 30 base pairs 224 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	197	(D) OTHER INFORMATION: $N = inosine$	
203 (2) INFORMATION FOR SEQ ID NO: 7: 205 (i) SEQUENCE CHARACTERISTICS: 206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 221 (2) INFORMATION FOR SEQ ID NO: 8: 222 (2) INFORMATION FOR SEQ ID NO: 8: 223 (A) LENGTH: 30 base pairs 224 (B) TYPE: nucleic acid 225 (B) TYPE: nucleic acid 226 (C) STRANDEDNESS: single 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	199	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 27 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "synthetic DNA (ix) FEATURE: (D) OTHER INFORMATION: N = inosine (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: CTCGCSGCYM TNRGYATGGA YCGNTAC (2) INFORMATION FOR SEQ ID NO: 8: (i) SEQUENCE CHARACTERISTICS: (a) LENGTH: 30 base pairs (b) TYPE: nucleic acid (c) STRANDEDNESS: single (d) TOPOLOGY: linear (ii) MOLECULE TYPE: other nucleic acid	201	CTGACYGYTC TNRSNRYTGA CMGVTAT .	27
206 (A) LENGTH: 27 base pairs 207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 27 222 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	203	(2) INFORMATION FOR SEQ ID NO: 7:	
207 (B) TYPE: nucleic acid 208 (C) STRANDEDNESS: single 209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 221 (2) INFORMATION FOR SEQ ID NO: 8: 222 (2) INFORMATION FOR SEQ ID NO: 8: 223 (i) SEQUENCE CHARACTERISTICS: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	205	(i) SEQUENCE CHARACTERISTICS:	
C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "synthetic DNA (ix) FEATURE: (D) OTHER INFORMATION: N = inosine (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 20 CTCGCSGCYM TNRGYATGGA YCGNTAC 21 (1) SEQUENCE CHARACTERISTICS: (A) LENGTH: 30 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: other nucleic acid	206	(A) LENGTH: 27 base pairs	
209 (D) TOPOLOGY: linear 211 (ii) MOLECULE TYPE: other nucleic acid 212 (A) DESCRIPTION: /desc = "synthetic DNA 214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 27 222 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	207	(B) TYPE: nucleic acid	
(ii) MOLECULE TYPE: other nucleic acid (A) DESCRIPTION: /desc = "synthetic DNA (ix) FEATURE: (D) OTHER INFORMATION: N = inosine (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: CTCGCSGCYM TNRGYATGGA YCGNTAC (i) SEQUENCE CHARACTERISTICS: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 30 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: other nucleic acid	208	(C) STRANDEDNESS: single	
(A) DESCRIPTION: /desc = "synthetic DNA (ix) FEATURE: (D) OTHER INFORMATION: N = inosine (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 27 222 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 30 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: other nucleic acid	209	(D) TOPOLOGY: linear	
214 (ix) FEATURE: 215 (D) OTHER INFORMATION: N = inosine 218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 27 222 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	211	(ii) MOLECULE TYPE: other nucleic acid	
(D) OTHER INFORMATION: N = inosine (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 27 222 (2) INFORMATION FOR SEQ ID NO: 8: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 30 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: other nucleic acid	212	(A) DESCRIPTION: /desc = "synthetic DNA	
218 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7: 220 CTCGCSGCYM TNRGYATGGA YCGNTAC 27 222 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	214	(ix) FEATURE:	
220 CTCGCSGCYM TNRGYATGGA YCGNTAC 222 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	215	(D) OTHER INFORMATION: N = inosine	
222 (2) INFORMATION FOR SEQ ID NO: 8: 224 (i) SEQUENCE CHARACTERISTICS: 225 (A) LENGTH: 30 base pairs 226 (B) TYPE: nucleic acid 227 (C) STRANDEDNESS: single 228 (D) TOPOLOGY: linear 230 (ii) MOLECULE TYPE: other nucleic acid	218	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 30 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: other nucleic acid	220	CTCGCSGCYM TNRGYATGGA YCGNTAC	27
(A) LENGTH: 30 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: other nucleic acid	222	(2) INFORMATION FOR SEQ ID NO: 8:	
(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: other nucleic acid	224	(i) SEQUENCE CHARACTERISTICS:	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: other nucleic acid	225	(A) LENGTH: 30 base pairs	
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: other nucleic acid	226	(B) TYPE: nucleic acid	
230 (ii) MOLECULE TYPE: other nucleic acid	227	(C) STRANDEDNESS: single	
	228	(D) TOPOLOGY: linear	
(A) DESCRIPTION: /desc = "synthetic DNA	230	(ii) MOLECULE TYPE: other nucleic acid	
•	231	(A) DESCRIPTION: /desc = "synthetic DNA	•

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/461,436 TIME: 11:02:21

DATE: 10/29/2001

Input Set: N:\Crf3\RULE60\09461436.txt
Output Set: N:\CRF3\10292001\I461436.raw

```
233
        (ix) FEATURE:
234
               (D) OTHER INFORMATION: N = inosine
237
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
239 GATGTGRTAR GGSRNCCAAC AGANGRYAAA
                                                                              30
241 (2) INFORMATION FOR SEQ ID NO: 9:
243
         (i) SEQUENCE CHARACTERISTICS:
244
               (A) LENGTH: 30 base pairs
245
               (B) TYPE: nucleic acid
               (C) STRANDEDNESS: single
246
               (D) TOPOLOGY: linear
247
249
        (ii) MOLECULE TYPE: other nucleic acid
250
               (A) DESCRIPTION: /desc = "synthetic DNA
253
        (ix) FEATURE:
254
               (D) OTHER INFORMATION: N = inosine
256
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
258 GATGTGRTAR GGSRNCCAAC AGANGRYGAA
                                                                              30
260 (2) INFORMATION FOR SEQ ID NO: 10:
262
         (i) SEQUENCE CHARACTERISTICS:
263
               (A) LENGTH: 27 base pairs
264
               (B) TYPE: nucleic acid
265
               (C) STRANDEDNESS: single
266
              (D) TOPOLOGY: linear
268
        (ii) MOLECULE TYPE: other nucleic acid
              (A) DESCRIPTION: /desc = "synthetic DNA
269
        (ix) FEATURE:
272
273
              (D) OTHER INFORMATION: N = inosine
275
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
277 GYCACCAACN WSTTCATCCT SWNHCTG
                                                                              27
279 (2) INFORMATION FOR SEQ ID NO: 11:
         (i) SEQUENCE CHARACTERISTICS:
281
282
              (A) LENGTH: 27 base pairs
283
              (B) TYPE: nucleic acid
284
              (C) STRANDEDNESS: single
285
              (D) TOPOLOGY: linear
287
        (ii) MOLECULE TYPE: other nucleic acid
              (A) DESCRIPTION: /desc = "synthetic DNA
288
291
        (ix) FEATURE:
292
              (D) OTHER INFORMATION: N = inosine
294
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
                                                                              27
296 ASNSANRAAG SARTAGANGA NRGGRTT
298 (2) INFORMATION FOR SEQ ID NO: 12:
300
         (i) SEQUENCE CHARACTERISTICS:
301
              (A) LENGTH: 25 base pairs
302
              (B) TYPE: nucleic acid
303
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear
304
306
        (ii) MOLECULE TYPE: other nucleic acid
307
              (A) DESCRIPTION: /desc = "synthetic DNA
309
        (ix) FEATURE:
```

RAW SEQUENCE LISTING DATE: 10/29/2001 PATENT APPLICATION: US/09/461,436 TIME: 11:02:21

Input Set : N:\Crf3\RULE60\09461436.txt
Output Set: N:\CRF3\10292001\I461436.raw

```
310
               (D) OTHER INFORMATION: N = inosine
313
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
                                                                               25
315 TGNTSSTKMT NGSNGTKGTN GGNAA
317 (2) INFORMATION FOR SEQ ID NO: 13:
319
         (i) SEQUENCE CHARACTERISTICS:
320
              (A) LENGTH: 25 base pairs
              (B) TYPE: nucleic acid
321
322
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear
323
        (ii) MOLECULE TYPE: other nucleic acid
325
              (A) DESCRIPTION: /desc = "synthetic DNA
326
329
        (ix) FEATURE:
              (D) OTHER INFORMATION: N = inosine
330
332
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
                                                                              25
334 AYCKGTAYCK GTCCANKGWN ATKGC
336 (2) INFORMATION FOR SEQ ID NO: 14:
338
         (i) SEQUENCE CHARACTERISTICS:
339
              (A) LENGTH: 24 base pairs
340
              (B) TYPE: nucleic acid
341
              (C) STRANDEDNESS: single
342
              (D) TOPOLOGY: linear
344
        (ii) MOLECULE TYPE: other nucleic acid
              (A) DESCRIPTION: /desc = "synthetic DNA
345
348
        (ix) FEATURE:
              (D) OTHER INFORMATION: N = inosine
349
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
351
                                                                              24
353 CATKKCCSTG GASAGNTAYN TRGC
355 (2) INFORMATION FOR SEQ ID NO: 15:
         (i) SEQUENCE CHARACTERISTICS:
357
358
              (A) LENGTH: 24 base pairs
              (B) TYPE: nucleic acid
359
              (C) STRANDEDNESS: single
360
              (D) TOPOLOGY: linear
361
        (ii) MOLECULE TYPE: other nucleic acid
363
              (A) DESCRIPTION: /desc = "synthetic DNA
364
367
        (ix) FEATURE:
              (D) OTHER INFORMATION: N = inosine
368
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
370
                                                                              24
372 GWWGGGSAKC CAGCASANGG CRAA
374 (2) INFORMATION FOR SEQ ID NO: 16:
         (i) SEQUENCE CHARACTERISTICS:
376
              (A) LENGTH: 18 base pairs
377
378
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
379
              (D) TOPOLOGY: linear
380
        (ii) MOLECULE TYPE: other nucleic acid
382
              (A) DESCRIPTION: /desc = "synthetic DNA
383
385
        (ix) FEATURE:
386
              (D) OTHER INFORMATION: N at position 6, 9, 10 & 12 = inosine;
```

VERIFICATION SUMMARY

DATE: 10/29/2001

PATENT APPLICATION: US/09/461,436

TIME: 11:02:22

Input Set : N:\Crf3\RULE60\09461436.txt
Output Set: N:\CRF3\10292001\1461436.raw

L:33 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:34 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

L:8088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:343 L:8169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:344